Bruhat Bangalore Mahanagara Palike
Exceecutive Engineer Yelahanka Division

Name of Work: Improvements to Roads and Footpath in Ward No-02 of Yelahanka Sub Division.

Est.Cost:37.50 Lakhs

Job Code:

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No 143., I.No.19.1 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00	4.00	0.400	40.00			
	B2	1	65.00	4.00	0.400	104.00			
	B3	1	40.00	4.00	0.400	64.00			
	NHIG D2	1	75.00	5.00	0.400	150.00			
	NHIG D3	1	75.00	5.00	0.350	131.25			
	NHIG D4	1	45.00	5.00	0.350	78.75			
	Basic Rate	130.00							
	Add Area Weightage @ 6%	7.80							
	Lead for 5 km (2x1.28x5)+57	69.80							
	Total	**207.60**							
					Total	**568.00**	**Cum**	**207.60**	**117916.80**
2	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53, Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 (Page No 147., I.No.19.60 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00	4.00	0.250	25.00			
	B2	1	65.00	4.00	0.250	65.00			
	B3	1	40.00	4.00	0.250	40.00			
	NHIG D2	1	75.00	5.00	0.250	93.75			
	NHIG D3	1	75.00	5.00	0.250	93.75			
	NHIG D4	1	45.00	5.00	0.250	56.25			
	Basic Rate	325.00							
	Add Area Weightage @ 6%	19.50							
	Total	**344.50**							
						373.75	**Cum**	**344.50**	**128756.88**
3	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications, Clause 401 of MORTH V Revision. (Page No 153., I.No.20.5 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00	4.00	0.100	10.00			

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	B2	1	65.00	4.00	0.100	26.00			
	B3	1	40.00	4.00	0.100	16.00			
	NHIG D2	1	75.00	5.00	0.100	37.50			
	NHIG D3	1	75.00	5.00	0.100	37.50			
	NHIG D4	1	45.00	5.00	0.100	22.50			
	Basic Rate	1882.00							
	Add Area Weightage @ 6%	112.92							
	Total	**1994.92**				**149.5**	**Cum**	**1994.92**	**298240.54**
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:4:8with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (Page No 13., I.No.4.3 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00	4.00	0.100	10.00			
	B2	1	65.00	4.00	0.100	26.00			
	B3	1	40.00	4.00	0.100	16.00			
	NHIG D2	1	75.00	5.00	0.100	37.50			
	NHIG D3	1	75.00	5.00	0.100	37.50			
	NHIG D4	1	45.00	5.00	0.100	22.50			
	Basic Rate	5102.00							
	Add Area Weightage @ 6%	306.12							
	Total	**5408.12**							
						149.50	**Cum**	**5408.12**	**808513.94**
5	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS - do - heavy duty cobble stones -do- 60mm thick (Page No . 103, I.No. 14.6 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00	4.00		100.00			
	B2	1	65.00	4.00		260.00			
	B3	1	40.00	4.00		160.00			
	NHIG D2	1	75.00	5.00		375.00			
	NHIG D3	1	75.00	5.00		375.00			
	NHIG D4	1	45.00	5.00		225.00			
	Basic Rate	1053.00							
	Add Area Weightage @ 6%	63.18							

Sl No	Description of Items
	Total
6	Providing and fixing pre cast sc width 114 and 165 mm respecti finishing cutting including form loading and unloading, lead and 2018-19).
	Foot path
	B1
	B2
	B3
	NHIG D2
	NHIG D3
	NHIG D4
	Basic Rate
	Add Area Weightage @ 6%
	Total
7	KSRRB 800-1. Painting two c new plastered concrete surfac (Page No. 180, I.No. 24.1 of
	Foot path
	B1
	B2
	B3
	NHIG D2
	NHIG D3
	NHIG D4
	Basic Rat
	Add Area Weightage @ 6%
	Total
8	

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Total	1116.18							
						1495.00	Sqm	1116.18	1668689.10
6	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc..complete (Page No . 27, I.No. 5.30 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00			25.00			
	B2	1	65.00			65.00			
	B3	1	40.00			40.00			
	NHIG D2	1	75.00			75.00			
	NHIG D3	1	75.00			75.00			
	NHIG D4	1	45.00			45.00			
			Total Length			325.00			
			Total Length / .45			722.22			
	Basic Rate	408.00							
	Add Area Weightage @ 6%	24.48							
	Total	432.48				722.22	Nos	432.48	312346.67
7	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No. 180, I.No. 24.1 of KPWD S.R 2018-19).								
	Foot path								
	B1	1	25.00		0.350	8.75			
	B2	1	65.00		0.350	22.75			
	B3	1	40.00		0.350	14.00			
	NHIG D2	1	75.00		0.350	26.25			
	NHIG D3	1	75.00		0.350	26.25			
	NHIG D4	1	45.00		0.350	15.75			
	Basic Rate	80.00							
	Add Area Weightage @ 6%	4.80							
	Total	84.80				113.75	Sqm	84.80	9,646.00
								Sub Total	3344110.00
8								GST 12% Charges	401294.00

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Micelenious Charges	4,596.00
								Total	3750000.00

CERTIFICATE:-

1 The above estimate has been prepared as per SR PWD-2016-19

2 Certify that the work spot has been inspected by me & prepared the estimate in most economical way of executing the work

3 This work is not slipt up

4 The work spot comes under BBMP limits

6 The estimate prepared with essential provision

Assistant Engineer
Ward no 02
BBMP, Bangalore.

Assistant Executive Engineer
Yalahanka Sub-division
BBMP, Bangalore.

Executive Engineer
Yelahanka division
BBMP, Bangalore.

Administrative Approval

Accorded For RS 37.50 lacks
Head of A/C P 3296
CER NO :110/18-19 Dt: 08.01.19

TA CE (YNK)

Technical Sanction

Accorded For RS 37.50 lacks
Head of A/C P 3296
CER NO : 196/18-19 Dt: 08.01.19

TA CE (YNK)

Name of Work: Improveme

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